

99. A device as recited in claim 86 wherein said substrate and heat sink are electrically conductive, one piece, constructed of the same material, and are integral, electrically with the anode of said light emitting diodes.

100. A device as recited in claim 86 wherein said plurality of light emitting diodes are comprised of light emitting diodes of different wavelengths.

101. A device as recited in claim 86 wherein said plurality of light emitting diodes produce light of wavelengths selected from the group 430 nanometer, 450 nanometer, 470 nanometer or combinations thereof.

102. A device as recited in claim 86 wherein said lens or said plurality of lenses are constructed from a group of materials comprising glass, plastic, holographic film or combinations thereof.

ABSTRACT

Light Emitting Diode Light Sources for Dental Curing are disclosed. Some embodiments of the invention include structures such as Light Emitting Diode Array(s), heat sink, heat dissipation, heat pipe, and control circuitry are disclosed.